AMENDMENTS TO THE CLAIMS

Kindly amend the claims as follows:

1. (currently amended): An apparatus for the release of an active fluid agent comprising:

a reservoir of active agent;

a compound selective polymer in proximity to said reservoir;

a release orifice in said reservoir, said compound selective polymer experiencing a change of shape upon detection of a target compound, said change of shape exerting pressure on said reservoir causing said active agent to exit said reservoir through said orifice;

said change of shape being a contraction.

2-3. (cancelled).

4. (original): The apparatus of claim 1 wherein said compound selective polymer is a polysyrene.

5. (previously presented): The apparatus of claim 1 wherein said selective polymer is a polyalphamethylstyrene.

6. (currently amended): An apparatus for the release of an active fluid agent comprising:

means for holding a quantity of an active fluid agent;

means for releasing said active fluid agent into a surrounding environment upon detection of a presence of a predetermined target compound, said means for releasing said active fluid agent [~~comprising a compound selective polymer~~] being a polystyrene polymer, said means for releasing said active fluid [~~causing pressure on said means for holding in the presence of said predetermined target compound~~] compressing said means for holding upon detection of said target compound.

7-8. (Cancelled).

9. (currently amended): The apparatus of claim 6 wherein said [~~means for releasing said active fluid agent~~] polystyrene polymer is a polyalphamethylstyrene.

10. (currently amended): A method for releasing an active fluid agent into an environment upon detection of a target compound comprising the steps of:

storing an active fluid agent in a polymer reservoir;

said polymer reservoir [~~expanding or contracting~~] changing shape in the presence of a target compound[; said expansion or contraction], said changing shape expelling a portion of said active fluid agent into said environment[~~.~~];

said active fluid agent being a perfume compound.

11. (original): The method of claim 10 wherein said polymer is a polystyrene.

12. (original): The method of claim 10 wherein said polymer is a polyalphamethylstyrene.

13. (cancelled).

14. (previously presented): An apparatus for releasing a sweet smelling compound into surrounding air in a room where odors are generated comprising a reservoir containing a volume of sweet smelling compound, the reservoir being made from a polymer which detects certain odor causing compounds and contracts or expands in their presence, this contraction or expansion pushing the sweet smelling compound out of a small hole in the reservoir when one of the odor causing compounds is present.

15. (original): The apparatus of claim 14 where the sweet smelling compound is a perfume.

16. (previously presented): The apparatus of claim 14 where the special polymer is a polystyrene.

17. (previously presented): The apparatus of claim 14 where the special polymer is a polyalphamethylstyrene.

18. (new): The apparatus of claim 1 wherein said reservoir is surrounded by a shell of protective material.

19. (new): The apparatus of claim 18 wherein said shell of protective material has a weak spot.

20. (new): The apparatus of claim 14 wherein said reservoir is surrounded by a shell of protective material.

21. (new): The apparatus of claim 20 wherein said shell of protective material has a weak spot.